## What is claimed is:

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- A system for delivering electronic programming to a user, 2
- the system comprising: 3
- a printed matter having at least one sensor and a
- transmitter for transmitting a coded signal in
- response to an actuation of said sensor;
- an intelligent controller having associated therewith a 7
- receiver for receiving said coded signal and a **1** 8
  - means for accessing programming material; and
  - a display unit for presenting said programming
    - material;
- wherein said user actuates said sensor to cause said 13
  - intelligent controller to access said programming
  - material and said display unit to present said
  - programming material to said user. 15
  - A system as defined in claim 1 wherein said sensor comprises 2. 16
  - a touch sensor. 17
  - A system as defined in claim 1 wherein said sensor comprises 18
  - a capacitive touch sensor. 19
  - A system as defined in claim 1 wherein said sensor comprises 4. 20
  - a conductive touch sensor. 21
  - A system as defined in claim 1 wherein said sensor comprises 22

- a page sensor.
- 2 6. A system as defined in claim 1 wherein said printed matter
- includes both a page sensor and a touch sensor.
- 4 7. A system as defined in claim 1 wherein said printed matter
- includes a pad having a plurality of touch sensors.
- 6 8. A system as defined in claim 1 wherein said printed matter
- includes a plurality of pads, each having a plurality of
- touch sensors.

- 9 9. A system as defined in claim 1 wherein said intelligent controller includes a microprocessor.
- 10. A system as defined in claim 1 wherein said intelligent controller has associated therewith a memory means for storing programming material.
- 14 11. A system as defined in claim 10 wherein said memory means comprises a magnetic disk.
  - 12. A system as defined in claim 10 wherein said memory means
    comprises a PCMCIA card.
  - 13. A system as defined in claim 10 wherein said memory means comprises a flash RAM.
  - 20 14. A system as defined in claim 10 wherein said memory means comprises a cache.
  - 15. A system as defined in claim 10 wherein said memory means

omprises a CD-ROM.

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- 16. A system as defined in claim 10 wherein said memory means is
- selected from the group consisting of: a ROM; a WORM disk; a
- floppy disk; a multi-layer optical disk; a magneto-optical
- disk; an IC card; a magnetic bubble memory; a sequential
- access memory; a magnetic tape; a magnetic drum; a magneto-
- optical drum; a static RAM; and a dynamic RAM.
- 17. A system as defined in claim 1 wherein said intelligent controller includes a removable memory means.
  - 18. A system as defined in claim 17 wherein said printed matter and said removable memory means are supplied to, or purchased by, the user as a set.
    - 19. A system as defined in claim 1 wherein said means for accessing programming material operates via a data link.
  - 20. A system as defined in claim 19 wherein said data linkcomprises a telephone line.
  - 21. A system as defined in claim 19 wherein said data link comprises a computer network.
  - 22. A system as defined in claim 19 wherein said data linkcomprises an ISDN network.
  - 23. A system as defined in claim 19 wherein said data link 22 comprises an Ethernet network.

- 24. A system as defined in claim 19 wherein said data link
   comprises a CATV line.
- 25. A system as defined in claim 1 wherein said intelligent
   controller has associated therewith a buffer for temporarily
   storing the programming material.
- 26. A system as defined in claim 1 wherein said intelligent controller includes means for decompressing compressed programming material.
- programming material.

  27. A system as defined in claim 1 wherein said display unit comprises a video display.
- 11 28. A system as defined in claim 1 wherein said display unit comprises an audio transducer.

- 29. A system as defined in claim 1 wherein said display unit comprises a flat panel display.
  - 30. A system as defined in claim 29 wherein said flat panel display is embedded within said printed matter.
  - 17 31. A system as defined in claim 1 wherein said display unit has
    18 associated therewith a buffer for temporarily storing
    19 programming material.
  - 20 32. A system as defined in claim 1 wherein said display unit has
    21 associated therewith means for decompressing compressed
    22 programming material.

- 33. A system as defined in claim 1 wherein said display unit
   comprises a CATV converter, or wireless cable converter, and
   a television set coupled thereto.
- 4 34. A system as defined in claim 1 wherein said display unit comprises a personal computer.
- 35. A system as defined in claim 34 wherein said personal
   computer includes a CD-ROM for storing programming material.
- 36. A system as defined in claim 34 wherein said personal computer includes means for decompressing compressed programming material.
- 37. A system as defined in claim 1 wherein said intelligent controller and said display unit each comprise portions of a personal computer.
  - 38. A system as defined in claim 1 wherein said programming
     material includes entertainment programming.
  - 39. A system as defined in claim 1 wherein said programming
     material includes educational programming.
  - 18 40. A system as defined in claim 1 wherein said programming

    19 material supplements information contained in said printed

    20 matter.
  - 21 41. A system as defined in claim 1 wherein said programming
    22 material includes commercial programming.

- A system as defined in claim 1 wherein said programming 42. 1
- material includes promotional programming. 2
- A system as defined in claim 1 wherein said programming 43. 3
- material includes informational programming.
- A system as defined in claim 1 wherein said transmitter and 44. 5
- receiver communicate via an energy pathway.
- A system as defined in claim 44 wherein said energy pathway comprises a conductive cable.
- 8 A system as defined in claim 44 wherein said energy pathway 46. Ħ 10 comprises an optical cable.
- A system as defined in claim 44 wherein said energy pathway 47. comprises a capacitively coupled link. 12
- A system as defined in claim 1 wherein said transmitter and 111 13 48. receiver communicate via a wireless RF link. 14
  - A system as defined in claim 1 wherein said transmitter and 49. 15 receiver communicate via an IR link. 16
  - A system for displaying programming to a user, the system 50. 17 comprising: 18
  - a printed matter having at least one machine 19 recognizable feature;

- a feature recognition unit having associated therewith 21
- a means for recognizing said feature and a 22

transmitter for transmitting a coded signal in
response to the recognition of said feature;
an intelligent controller having associated therewith a
receiver for receiving said coded signal and means
for accessing programming material; and
a display unit for presenting said programming
material;
wherein said recognition unit, in response to the

recognition of said feature, causes said intelligent controller to access said programming material and said display unit to execute or display said programming material.

- 51. A system as defined in claim 50 wherein said intelligent controller includes a microprocessor.
- 52. A system as defined in claim 50 wherein said intelligent
   controller has associated therewith a memory means for
   storing programming material.

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- 18 53. A system as defined in claim 52 wherein said memory means
  19 comprises a magnetic disk.
- 54. A system as defined in claim 52 wherein said memory means comprises a PCMCIA card.
- 22 55. A system as defined in claim 52 wherein said memory means

1 comprises a flash RAM.

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- 56. A system as defined in claim 52 wherein said memory means
   comprises a cache.
- 57. A system as defined in claim 52 wherein said memory means comprises a CD-ROM.
- selected from the group consisting of: a ROM; a WORM disk; a floppy disk; a multi-layer optical disk; a magneto-optical disk; an IC card; a magnetic bubble memory; a sequential access memory; a magnetic tape; a magnetic drum; a magneto-optical drum; a static RAM; and a dynamic RAM.
- 12 59. A system as defined in claim 50 wherein said intelligent

  13 controller includes a removable memory means.
- 14 60. A system as defined in claim 59 wherein said printed matter
  15 and said removable memory means are supplied to, or
  16 purchased by, the user as a set.
  - 17 61. A system as defined in claim 50 wherein said means for 18 accessing programming material operates via a data link.
  - 62. A system as defined in claim 61 wherein said data link comprises a telephone line.
  - 21 63. A system as defined in claim 61 wherein said data link 22 comprises a computer network.

- 1 64. A system as defined in claim 61 wherein said data link 2 comprises an ISDN network.
- 3 65. A system as defined in claim 61 wherein said data link
   4 comprises an Ethernet network.
- 5 66. A system as defined in claim 61 wherein said data link 6 comprises a CATV line.

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- 7 67. A system as defined in claim 50 wherein said intelligent

  8 controller has associated therewith a buffer for temporarily

  9 storing the programming material.
  - 68. A system as defined in claim 50 wherein said intelligent controller includes means for decompressing compressed programming material.
  - 69. A system as defined in claim 50 wherein said display unit comprises a video display.
  - 70. A system as defined in claim 50 wherein said display unit comprises an audio transducer.
  - 71. A system as defined in claim 50 wherein said display unit comprises a flat panel display.
  - 72. A system as defined in claim 71 wherein said flat panel display is embedded within said printed matter.
  - 73. A system as defined in claim 50 wherein said display unit has associated therewith a buffer for temporarily storing

- programming material.
- 74. A system as defined in claim 50 wherein said display unit
- has associated therewith means for decompressing compressed
- programming material.
- 5 75. A system as defined in claim 50 wherein said display unit
- 6 comprises a CATV converter, or wireless cable converter, and
- 7 a television set coupled thereto.
- 8 76. A system as defined in claim 50 wherein said display unit comprises a personal computer.
- 77. A system as defined in claim 76 wherein said personal computer includes a CD-ROM for storing programming material.
- 78. A system as defined in claim 76 wherein said personal computer includes means for decompressing compressed programming material.
  - 79. A system as defined in claim 50 wherein said intelligent
    controller and said display unit each comprise portions of a
    personal computer.
  - 80. A system as defined in claim 50 wherein said programming material includes entertainment programming.
  - 20 81. A system as defined in claim 50 wherein said programming
    21 material includes educational programming.
  - 22 82. A system as defined in claim 50 wherein said programming

- material supplements information contained in said printed
- matter.

- 3 83. A system as defined in claim 50 wherein said programming
- 4 material includes commercial programming.
- 5 84. A system as defined in claim 50 wherein said programming
- 6 material includes promotional programming.
- 7 85. A system as defined in claim 50 wherein said programming
- material includes informational programming.
- 9 86. A system as defined in claim 50 wherein said transmitter and receiver communicate via an energy pathway.
- 87. A system as defined in claim 86 wherein said energy pathway comprises a conductive cable.
  - 88. A system as defined in claim 86 wherein said energy pathway comprises an optical cable.
  - 15 89. A system as defined in claim 86 wherein said energy pathway

    16 comprises a capacitively coupled link.
  - 90. A system as defined in claim 50 wherein said transmitter and receiver communicate via a wireless RF link.
  - 91. A system as defined in claim 50 wherein said transmitter and receiver communicate via an IR link.
  - 92. A system as defined in claim 50 wherein said feature comprises a bar code.

- A system as defined in claim 50 wherein said feature 93. 1 comprises an invisible bar code.
- A system as defined in claim 50 comprises wherein said feature comprises a magnetic code.
- A system as defined in claim 50 wherein said feature 95. comprises printed indicia.
- A system as defined in claim 50 wherein said recognition 7 unit comprises a hand-held unit.
- 8 9 9 10 A system as defined in claim 96 wherein said hand-held recognition unit includes a CCD camera.
- 訓 資 11 A system as defined in claim 96 wherein said hand-held 98. recognition unit includes a bar code reader. **12**

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- 13 A system as defined in claim 96 wherein said hand-held **1**4 recognition unit comprises a magnetic detector.
  - 100. A system as defined in claim 96 wherein said hand-held 15 recognition unit comprises a scanner/mouse. 16
  - 101. A system for delivering electronic programming to a user, 17 the system comprising: 18
  - a printed matter having associated therewith at least 19 one sensor, a controller responsive to an 20 actuation of said sensor, and a transmitter 21

responsive to said controller for transmitting a 22

| 1               | coded signal; and   |
|-----------------|---|
| 2               | a display unit having associated therewith a receiver           |
| 3               | for receiving said coded signal, means for                      |
| 4               | accessing programming material in response                      |
| 5               | thereto, and means for displaying or executing                  |
| 6               | said programming material; and                                  |
| 7               | wherein said user actuates said sensor to cause said            |
| 8               | programming material to be accessed and displayed               |
| <b>1</b> 9      | or executed.  |
| 9               | 102. A system as defined in claim 101 wherein said controller   |
| <u>11</u><br>11 | includes a microprocessor.                                      |
| <b>12</b>       | 103. A system as defined in claim 101 wherein said display unit |
| 13<br>12<br>13  | further has associated therewith a memory means for storing     |
| 14<br>12        | programming material.   |
| 15              | 104. A system as defined in claim 103 wherein said memory means |
| 16              | comprises a magnetic disk.                                      |
| 17              | 105. A system as defined in claim 103 wherein said memory means |
| 18              | comprises a PCMCIA card.  |
| . 19            | 106. A system as defined in claim 103 wherein said memory means |
| 20              | comprises a flash RAM.  |
| 21              | 107. A system as defined in claim 103 wherein said memory means |

comprises a cache.

- 108. A system as defined in claim 103 wherein said memory means 1 comprises a CD-ROM. 2
- 109. A system as defined in claim 101 wherein said memory means
- is selected from the group consisting of: a ROM; a WORM
- disk; a floppy disk; a multi-layer optical disk; a magneto-
- optical disk; an IC card; a magnetic bubble memory; a
- sequential access memory; a magnetic tape; a magnetic drum; 7
- a magneto-optical drum; a static RAM; and a dynamic RAM.
- 110. A system as defined in claim 101 wherein said further has associated therewith a removable memory means.
- 11 11 111. A system as defined in claim 110 wherein said printed matter and said removable memory means are supplied to, or 12 11 13 purchased by, the user as a set.
  - 112. A system as defined in claim 101 wherein said means for 14 accessing programming material operates via a data link. 15

- 113. A system as defined in claim 112 wherein said data link 16 comprises a telephone line. 17
- 114. A system as defined in claim 112 wherein said data link 18 comprises a computer network. 19
- 115. A system as defined in claim 112 wherein said data link 20 comprises an ISDN network. 21
- 116. A system as defined in claim 112 wherein said data link 22

comprises an Ethernet network.

comprises a CATV line.

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- 2 117. A system as defined in claim 112 wherein said data link
- 4 118. A system as defined in claim 101 wherein said controller has
- s associated therewith a power-down or slow-down circuit for
- reducing power consumption in said controller.
- 7 119. A system as defined in claim 101 wherein said controller has

  28 associated therewith a solar cell for powering said

  39 controller..
- 120. A system as defined in claim 101 wherein said display unit comprises a video display.
- 121. A system as defined in claim 101 wherein said display unit comprises an audio transducer.
- 12. A system as defined in claim 101 wherein said display unit comprises a flat panel display.
  - 123. A system as defined in claim 122 wherein said flat panel display is embedded within said printed matter.
  - 124. A system as defined in claim 101 wherein said display unit
    19 has associated therewith a buffer for temporarily storing
    20 programming material.
  - 125. A system as defined in claim 101 wherein said display unit
    has associated therewith means for decompressing compressed

- programming material.
- 2 126. A system as defined in claim 101 wherein said display unit
- comprises a CATV converter, or wireless cable converter, and
- a television set coupled thereto.
- 5 127. A system as defined in claim 101 wherein said display unit
- 6 comprises a personal computer.
- 1 128. A system as defined in claim 127 wherein said personal computer includes a CD-ROM for storing programming material.
- 9 129. A system as defined in claim 127 wherein said personal computer includes means for decompressing compressed programming material.
- 130. A system as defined in claim 101 wherein said controller and said display unit each comprise portions of a personal computer.
  - 131. A system as defined in claim 101 wherein said programming

    material includes entertainment programming.
  - 132. A system as defined in claim 101 wherein said programming material includes educational programming.
  - 133. A system as defined in claim 101 wherein said programming
    20 material supplements information contained in said printed
    21 matter.
  - 134. A system as defined in claim 101 wherein said programming

- material includes commercial programming.
- 2 135. A system as defined in claim 101 wherein said programming
- material includes promotional programming.
- 4 136. A system as defined in claim 101 wherein said programming
- s material includes informational programming.
- 6 137. A system as defined in claim 101 wherein said transmitter
- 7 and receiver communicate via an energy pathway.
- 8 138. A system as defined in claim 137 wherein said energy pathway
- omprises a conductive cable.
- 10 139. A system as defined in claim 137 wherein said energy pathway
- comprises an optical cable.

- 140. A system as defined in claim 137 wherein said energy pathway
- 13 comprises a capacitively coupled link.
- 141. A system as defined in claim 101 wherein said transmitter
  - and receiver communicate via a wireless RF link.
  - 142. A system as defined in claim 101 wherein said transmitter
  - and receiver communicate via an IR link.
  - 18 143. A method of providing, accessing or utilizing electronic
  - media services, the method comprising the steps of:
  - providing a printed matter having at least one sensor
  - associated therewith;
  - providing or programming an intelligent controller to,

|  | 1  | in response to an actuation of said sensor,                       |
|--|----|---|
|  | 2  | perform a pre-programmed command; and                             |
|  | 3  | executing said pre-programmed command to access or                |
|  | 4  | control an electronic media.                                      |
|  | 5  | 144. A method of providing electronic programming material, the   |
|  | 6  | method comprising the steps of:                                   |
|  | 7  | providing a printed matter to a potential customer;               |
|  | 8  | pre-programming an intelligent controller to access or            |
| 1 2  | 9  | control the transmission of electronic programming                |
|  | 10 | material in response to an event wherein the                      |
| man man  |    | customer interacts with the printed matter in a                   |
|  | 12 | particular manner; and  |
|  | 13 | displaying or executing said programming material in              |
| A Committee of the comm | 14 | response to the intelligent controller.                           |
|  | 15 | 145. A method as defined in claim 144 wherein said printed matter |
|  | 16 | comprises a low-cost, throw away publication.                     |
|  | 17 | 146. A method as defined in claim 144 wherein said customer       |
|  | 18 | utilizes a feature recognition unit to interact with said         |
|  | 19 | printed matter.   |
|  | 20 | 147. A method of providing or accessing shop-at-home services.    |

incorporating within a printed catalogue at least one

the method including the steps of:

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sensor or machine-recognizable feature; 1 programming a controller to execute a pre-programmed command in response to an event wherein a customer 3 interacts with said sensor or feature; and responding to the execution of said pre-programmed 5 command. 6 148. A method as defined in claim 147 wherein responding 7 8 comprises presenting or delivering commercial programming to the customer. 149. A method as defined in claim 147 wherein responding comprises presenting or delivering promotional programming to the customer. 12 150. A method as defined in claim 147 wherein responding 13 comprises contacting the customer by telephone. 151. A method as defined in claim 147 wherein responding 15 comprises providing an electronic menu to the customer. 16 152. A method as defined in claim 151, further comprising the 17 step of responding to the customer's menu selection(s). 18 153. An improved method of instruction, said method including the 19 steps of: 20 providing a printed textbook having at least one sensor 21 or machine-recognizable feature associated

| an event wherein a reader of the textbook interacts with said sensor or feature; and responding to the execution of said command.  154. An improved method of instruction as defined in claim 153 wherein responding comprises: causing or controlling the delivery or presentation of multimedia material or other information related to that in the textbook to the reader information related to that in the textbook to the reader wherein responding comprises: forming a communication lin between the reader and a tutor or consultant.  156. A low cost, throw-away printed matter useful for accessing electronic media services, said printed matter including at least one sensor; and means, responsive to an actuation of said sensor, for  | 1      | I       | therewith;   |
|---|--------|---------|--|
| an event wherein a reader of the textbook  interacts with said sensor or feature; and  responding to the execution of said command.  154. An improved method of instruction as defined in claim 153  wherein responding comprises: causing or controlling the delivery or presentation of multimedia material or other information related to that in the textbook to the reader information related to that in the textbook to the reader wherein responding comprises: forming a communication line wherein responding comprises: forming a communication line between the reader and a tutor or consultant.  156. A low cost, throw-away printed matter useful for accessing electronic media services, said printed matter including at least one sensor; and means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  157. A feature recognition unit useful, in combination with a | 2      | 2       | providing a means, distinct from said textbook, for        |
| interacts with said sensor or feature; and responding to the execution of said command.  154. An improved method of instruction as defined in claim 155 wherein responding comprises: causing or controlling the delivery or presentation of multimedia material or other information related to that in the textbook to the reader information related to that in the textbook to the reader wherein responding comprises: forming a communication lin between the reader and a tutor or consultant.  156. A low cost, throw-away printed matter useful for accessing electronic media services, said printed matter including at least one sensor; and means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  157. A feature recognition unit useful, in combination with a  | ;      | 3       | executing a pre-programmed command in response to          |
| responding to the execution of said command.  154. An improved method of instruction as defined in claim 155 wherein responding comprises: causing or controlling the delivery or presentation of multimedia material or other information related to that in the textbook to the reader information related to that in the textbook to the reader wherein responding comprises: forming a communication limits between the reader and a tutor or consultant.  156. A low cost, throw-away printed matter useful for accessing electronic media services, said printed matter including at least one sensor; and means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  157. A feature recognition unit useful, in combination with a sensor.  | 4      | 1       | an event wherein a reader of the textbook                  |
| wherein responding comprises: causing or controlling the delivery or presentation of multimedia material or other information related to that in the textbook to the reader information related to that in the textbook to the reader wherein responding comprises: forming a communication limbetween the reader and a tutor or consultant.  14 156. A low cost, throw-away printed matter useful for accessing electronic media services, said printed matter including at least one sensor; and  16 means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  17 sensor.  18 sensor.   | :      | 5       | interacts with said sensor or feature; and                 |
| wherein responding comprises: causing or controlling the delivery or presentation of multimedia material or other information related to that in the textbook to the reader information related to that in the textbook to the reader wherein responding comprises: forming a communication limber between the reader and a tutor or consultant.  156. A low cost, throw-away printed matter useful for accessing electronic media services, said printed matter including at least one sensor; and  16 means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  157. A feature recognition unit useful, in combination with a sensor.   | (      | б       | responding to the execution of said command.               |
| delivery or presentation of multimedia material or other information related to that in the textbook to the reader information related to that in the textbook to the reader in 155. An improved method of instruction as defined in claim 155 wherein responding comprises: forming a communication limbetween the reader and a tutor or consultant.  14 156. A low cost, throw-away printed matter useful for accessing electronic media services, said printed matter including at least one sensor; and  16 means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  18 sensor.  19 157. A feature recognition unit useful, in combination with a  |        | 154.    | An improved method of instruction as defined in claim 153  |
| information related to that in the textbook to the reader  11 155. An improved method of instruction as defined in claim 155  12 wherein responding comprises: forming a communication line  13 between the reader and a tutor or consultant.  14 156. A low cost, throw-away printed matter useful for accessing electronic media services, said printed matter including  16 at least one sensor; and  17 means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  18 sensor.  19 sensor.  16 157. A feature recognition unit useful, in combination with a sensor.  |        | 8       | wherein responding comprises: causing or controlling the   |
| information related to that in the textbook to the reader  11 155. An improved method of instruction as defined in claim 155  12 wherein responding comprises: forming a communication line  13 between the reader and a tutor or consultant.  14 156. A low cost, throw-away printed matter useful for accessing electronic media services, said printed matter including  16 at least one sensor; and  17 means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  18 sensor.  19 sensor.  16 157. A feature recognition unit useful, in combination with a sensor.  |        | 9       | delivery or presentation of multimedia material or other   |
| wherein responding comprises: forming a communication line between the reader and a tutor or consultant.  15 between the reader and a tutor or consultant.  16 lectronic media services, said printed matter including at least one sensor; and  17 means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said 18 sensor.  19 sensor.  19 sensor.   | 1      | 0       | information related to that in the textbook to the reader. |
| between the reader and a tutor or consultant.  156. A low cost, throw-away printed matter useful for accessing electronic media services, said printed matter including at least one sensor; and  means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  157. A feature recognition unit useful, in combination with a   | 1      | 1 155.  | An improved method of instruction as defined in claim 153  |
| between the reader and a tutor or consultant.  156. A low cost, throw-away printed matter useful for accessing electronic media services, said printed matter including at least one sensor; and  means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  157. A feature recognition unit useful, in combination with a   |        | 2       | wherein responding comprises: forming a communication link |
| electronic media services, said printed matter including at least one sensor; and means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  20 157. A feature recognition unit useful, in combination with a  | ili 1  | 3       | between the reader and a tutor or consultant.              |
| electronic media services, said printed matter including at least one sensor; and means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  157. A feature recognition unit useful, in combination with a   | 1<br>1 | 4 156.  | A low cost, throw-away printed matter useful for accessing |
| means, responsive to an actuation of said sensor, for transmitting a coded signal indicative of said sensor.  sensor.  157. A feature recognition unit useful, in combination with a  |        | 5       | electronic media services, said printed matter including:  |
| transmitting a coded signal indicative of said sensor.  20 157. A feature recognition unit useful, in combination with a  | 1      | 6       | at least one sensor; and                                   |
| sensor.  19 sensor.  20 157. A feature recognition unit useful, in combination with a   | 1      | 7       | means, responsive to an actuation of said sensor, for      |
| 20 157. A feature recognition unit useful, in combination with a  | 1      | 8       | transmitting a coded signal indicative of said             |
| _   | 1      | 9       | sensor.  |
| printed matter, for accessing electronic media services,  | :      | 20 157. | A feature recognition unit useful, in combination with a   |
|   | :      | 21      | printed matter, for accessing electronic media services,   |

said recognition unit comprising:

means for recognizing features on said printed matter; 1 and 2 means, responsive to the recognition of a feature, for 3 transmitting a coded signal indicative of said recognized feature. 158. A feature recognition unit as defined in claim 157 wherein said means for recognizing reads bar codes. 7 159. A feature recognition unit as defined in claim 157 wherein said means for recognizing reads printed indicia. ÷□10 160. A feature recognition unit as defined in claim 157 wherein said means for recognizing reads magnetic codes. **12** 161. A feature recognition unit as defined in claim 157 wherein 1 13 said means for recognizing comprises a CCD camera. i jî 162. A feature recognition unit as defined in claim 157 wherein 14 said means for recognizing comprises a bar code reader. 15 163. A feature recognition unit as defined in claim 157, further 16 including a microprocessor. 17 164. A system for delivering an electronic advertisement to a 18 user, the system comprising: 19 a printed advertisement having associated therewith at

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least one sensor or machine-recognizable feature,

a controller, responsive to an actuation of said

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| 3                | responsive to said controller, for transmitting a            |
|------------------|--|
| 4                | coded signal; and  |
| 5                | a display unit including a receiver for receiving said       |
| 6                | coded signal and means for providing said user               |
| 7                | with said electronic advertisement related to said           |
| <b>3</b> 8       | printed advertisement.                                       |
| 1 8<br>1 9       | 165. A system for delivering information services to a user, |
| 10               | the system comprising:                                       |
| <u> </u><br>  11 | a printed reference having associated therewith at           |
| 12               | least one sensor or machine-recognizable feature,            |
| ≟<br>13<br>      | a controller, responsive to an actuation of said             |
| 14               | sensor or a recognition of said machine-                     |
| 15               | recognizable feature, and a transmitter,                     |
| 16               | responsive to said controller, for transmitting a            |
| 17               | coded signal; and  |
| 18               | a display unit including a receiver for receiving said       |
| 19               | coded signal and means for providing said user               |

printed reference.

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sensor or a recognition of said machine-

recognizable feature, and a transmitter,

166. A system for delivering information services as defined in

with said information services related to said

- claim 165 wherein said display unit is contained within a personal communicator device.
- 167. A system for delivering information services as defined in claim 165 wherein said display unit is contained within a remote pager device.